

IN THE SPECIFICATION

Please replace the paragraph at page 3, lines 17-21, with the following rewritten paragraph:

~~Claim 2~~ A further feature of the present invention is a bicycle headlamp ~~according to Claim 1~~, wherein the stator has the magnet plates attached to the spokes of the bicycle along the circumference of the wheel, in a continuous ring shape or in separate positions.

Please replace the paragraph at page 3, line 22 to page 4, line 2, with the following rewritten paragraph:

~~Claim 3~~ A further feature of the present invention is a bicycle headlamp ~~according to Claim 1~~, wherein the light-emitting diode is a white light-emitting diode with a luminous intensity of 2 cd or higher, and the lens has such a focal length that a certain level of illumination is ensured at a specified distance.

Please replace the paragraph at page 4, lines 3-13, with the following rewritten paragraph:

~~Claim 4~~ A further feature of the present invention is a bicycle headlamp ~~according to Claim 3~~, wherein a plurality of light-emitting diodes are used; the lens is a dome-shaped lens disposed for each of the light-emitting diodes, the dome-shaped lens having a curvature, a diameter, and a thickness calculated to obtain a specified level of illumination in a specified circle at a specified distance by focusing light; and a reflector is provided on a flat-plate portion above the lens, by applying a treatment for producing diffused reflection, so that the approach of the bicycle can be noticed ahead of the bicycle.

Please replace the paragraph at page 4, lines 14-18, with the following rewritten paragraph:

~~Claim 5~~ A further feature of the present invention is a bicycle headlamp according to ~~Claim 1, 2, 3, or 4~~, wherein the stator, including the power-generating coil, the headlamp electrical circuit, the light-emitting diode, and the condenser lens are contained in the case as a unit.

Please replace the paragraph at page 4, lines 19-24, with the following rewritten paragraph:

~~Claim 6~~ A further feature of the present invention is a bicycle headlamp according to ~~Claim 1, 2, 3, or 4~~, wherein the headlamp electrical circuit, the light-emitting diode, and the condenser lens are contained in the case; and the stator, including the power-generating coil, is separately disposed outside the case.

Please replace the paragraph at page 4, line 25 and page 5, line 10, with the following rewritten paragraph:

In order to achieve the object described above, a headlamp electrical circuit ~~described in Claim 7~~ of the present invention has a resonance circuit for establishing resonance at a frequency synchronized with a specified relative speed of the magnets, the resonance circuit including a power-generating coil of the stator and a capacitor connected in series with the power-generating coil, and a rectifying and smoothing circuit for rectifying and smoothing electric power obtained from the power-generating coil of the resonance circuit and for supplying the electric power to the light-emitting diode.

Please replace the paragraph at page 5, lines 11-21, with the following rewritten paragraph:

~~Claim 8~~ A further feature of the present invention is a headlamp electrical circuit ~~according to Claim 7~~, wherein the rectifying and smoothing circuit has a dc-dc converter for rectifying electric power obtained from the power-generating coil of the resonance circuit by means of a diode and for smoothing out the electric power by means of a smoothing capacitor, and a constant-current circuit for receiving a direct current from the dc-dc converter and supplying a constant current to the light-emitting diode, the constant-current circuit including at least two transistors, two resistors, and a capacitor.

Please replace the paragraph at page 5, line 22 to page 6, line 9, with the following rewritten paragraph:

~~Claim 9~~ A further feature of the present invention is a headlamp electrical circuit ~~according to Claim 7~~, wherein a light sensor and/or a manual switch is connected to the constant current circuit; and the constant-current circuit is configured to allow or interrupt current supply to the light-emitting diode in accordance with a sense signal from the light sensor, is configured to allow or interrupt current supply to the light-emitting diode in accordance with an on/off signal from the manual switch, or is configured to allow or interrupt current supply to the light-emitting diode in accordance with either or both of the signal from the light sensor and the signal from the manual switch.

Please replace the paragraph at page 11, lines 8-11, with the following rewritten paragraph:

Fig. 2 is a perspective view showing the bicycle headlamp according to the first embodiment of the present invention, in which a stator, including a power-generating coil, is separated from a case, ~~as described in Claim 7.~~

Please replace the paragraph at page 12, lines 3-8, with the following rewritten paragraph:

Fig. 6 shows enlarged views of a power-generating coil of the stator of the bicycle headlamp according to the first 5 embodiment of the present invention: Fig. 6(a) is a front view of the power-generating coil of the stator; and Fig. ~~5(b)~~ 6(b) is a side view of the power-generating coil of the stator.

Please replace the paragraph at page 16, line 10 to page 17, line 3, with the following rewritten paragraph:

The frequency f of the generated power with the bicycle 9 of size 24 inches, 26 inches, and 28 inches can be calculated by substituting the following values of r_1 and r_2 into expression 3. For instance, when the bicycle 9 of size 24 inches, of which r_1 is 305 mm and r_2 is 170 mm, is traveling at a standard speed (equals 15 km/h hereafter), the frequency f of the generated power is 66.4 Hz. When the bicycle 9 of size 26 inches, of which r_1 is 330 mm and r_2 is 195 mm, is traveling at the standard speed, the frequency f of the generated power is 70.3 Hz. When the bicycle 9 of size 28 inches, of which r_1 is ~~[[335]]~~ 355 mm and r_2 is 220 mm, is traveling at the standard speed, the frequency f of the generated power is 73.9 Hz. The frequency f of the generated power described above or a frequency close thereto is obtained from the bicycle 9 traveling at the standard speed if the magnets 31 of the magnet

plate 33 of the rotor 3 and the teeth of the iron core 53a of the power-generating coil 53 of the stator 5 are disposed in the positional relationship as described above.

Please replace the paragraph at page 35, line 22 to page 36, line 4, with the following rewritten paragraph:

A bicycle headlamp 1A according to the fifth embodiment of the present invention includes an integral unit combining the stator 5 and the case 7, as shown in Fig. 23. The case 7 contains the stator 5 which includes the power-generating coil 53, the headlamp electrical circuit 71, the light-emitting diodes 73, the condenser lenses 75, and the reflector 77. A reference character 7a denotes a mounting block used to attach the headlamp on the ~~bicycle~~ fixed bracket 93a.